People and Marriage

How to start an program...
Think about: internal state, then how to create / maintain it
And only then how to use it
Person

private DateTime dob
private String givenName
private String middleNames
private String familyName
private String gender
private String address
private double heightInInches
private double weightInPounds
private int SSN
private Marriage myMarriage

public Person(int day, int month, int year,
              String name, String gender,
              double height, double weight)

public int GetAge()
public String HeigthInFandI()
public int HeightInInches()
public int HeightInCMeters()
public String ToString()
public bool IsMarriable()
public bool endMarriage()

Marriage

1 0,1
inAMarriage

private Date marriageDate
private String marriageLocation
private Person spouse1
private Person spouse2
private int registrationNumber
private Date endDate

2 1
involves

public Marriage(Date md, String ml,
                Person s1, Person s2)
public String ToString()
public int getRegistrationNumber()
public bool endMarriage()
Create a Registry that combines storage for people and marriage objects.

As alternative to using Dictionary generic, it might also make sense to use an array or the List generic.

private Person[] allPeople;
private List<Marriage> allMarriages;

Registry

private String organizationName
private String organizationLocation
private Dictionary<int, Person> allPeople
private Dictionary<int, Marriage> allMarriages

public Marriage (String n, String l, int maxP, int maxM)
public Person findPerson( int ssa)
public Person findPerson ( String name)
public bool storeNewMarriage( Marriage m)